

# TEXAS AGRICULTURAL EXPERIMENT STATION

BULLETIN NO. 217

SEPTEMBER, 1917

DIVISION OF CHEMISTRY

## Commercial Fertilizers in 1916-1917



B. YOUNGBLOOD, DIRECTOR,  
COLLEGE STATION, BRAZOS COUNTY, TEXAS.

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\*As of September 1, 1917.

\*\*In cooperation with A. and M. College of Texas.

\*\*\*On leave.

\*\*\*\*In cooperation with United States Department of Agriculture.

## COMMERCIAL FERTILIZERS IN 1916-17.

BY

G. S. FRAPS, Ph. D., CHEMIST IN CHARGE; STATE CHEMIST.

This bulletin deals with the state control of commercial fertilizers. Information concerning the nature and use of fertilizers is to be found in Bulletin 167, copies of which will be sent free on application.

The quantity of commercial fertilizers sold in Texas for the last several seasons is as follows:

1905-06	.....	13,500 tons.
1906-07	.....	19,200 tons.
1907-08	.....	21,850 tons.
1908-09	.....	23,800 tons.
1909-10	.....	34,000 tons.
1910-11	.....	52,985 tons.
1911-12	.....	46,000 tons.
1912-13	.....	75,500 tons.
1913-14	.....	77,400 tons.
1914-15	.....	17,500 tons.
1915-16	.....	21,500 tons.
1916-17	.....	40,500 tons.

### FERTILIZER LAW.

The present fertilizer law went into effect September 1, 1911. It has proved very satisfactory. Copies of the law, and information as to how to comply with it will be sent on application.

### INFORMATION ON THE BAG.

The manufacturer is required to print the following information either on the bag or on a tag attached to the bag:

Net weight.

Name of fertilizer in full.

Name and address of manufacturer.

Guaranteed analysis:

Available phosphoric acid, — per cent.

Nitrogen, — per cent.

Potash, — per cent.

Total phosphoric acid may be guaranteed in place of available in bone or tannage.

## FREE ANALYSIS.

Fertilizer samples, if taken in accordance with the requirements of the law, will be analyzed free of charge. Those who desire a free analysis of a fertilizer should write for a blank, "Application for Free Fertilizer Analysis," to the State Chemist, College Station, Texas. Samples not taken as required by the law cannot be accepted for analysis.

## INVESTIGATIONS UNDER THE FERTILIZER LAW.

The State Chemist is required by the fertilizer law to "investigate the composition, properties, and agricultural values of fertilizers, or of fertilizer materials, or ingredients of fertilizers, sold or offered for sale within the State of Texas, and shall publish his results as he may find." The results of such investigations will be published from time to time as the experiments are completed.

## RELATION TO STATION WORK.

The work of the State Chemist is closely related to the chemical work of the Experiment Station. In his capacity as Chemist to the Experiment Station, the State Chemist is carrying out extensive investigations into the fundamental properties of soils, especially with respect to their content of plant food. This work is related closely to the use of fertilizers, and is connected with the investigations as to the agricultural values of fertilizers required by the Fertilizer Control, for fertilizers vary in effect upon different soils.

## POTASH IN FERTILIZERS.

Texas soils are, as a general rule, well supplied with potash and are much more likely to be deficient in phosphoric acid or in nitrogen than they are to be deficient in potash. This fact is clearly established by numerous analyses of soils and by pot experiments made at the Texas Experiment Station, as well as by co-operative field experiments.

A number of co-operative fertilizer experiments have been conducted by the chemical division of the Experiment Station, and it has been found that phosphoric acid and nitrogen are much more likely to give results than potash. In sixty-eight out of one hundred and fourteen experiments described in Bulletin 184, potash had no effect. The chances are, therefore, against the potash having any effect if generally used in complete fertilizers on Texas soils.

The quantity of potash in the ordinary corn and cotton fertilizer is so small that it is very doubtful if the quantity is sufficient to be of advantage even where potash is needed. It would be better to increase the quantity of phosphoric acid or nitrogen, and leave out the potash. Of course, there are soils and crops on which potash is of advantage. Light sandy soils may be deficient in potash, but it is a question if corn or cotton should be grown at all on such soils, as often the yield is not



sufficient to pay. Tobacco, cabbages, potatoes, onions, and certain other truck crops, grown on light sandy soils, may give favorable returns for potash. On heavier soils they may or may not give returns for the potash. A great deal depends upon the possible yield, as the greater the possible yield permitted by soil and climatic conditions (including soil moisture) the greater the possibility of returns for potash.

From these considerations it is evident that Texas farmers can well afford to eliminate potash from general fertilizers, especially for cotton and corn. Potash should be used only in exceptional cases, where soil conditions and special crops promise returns on the investment. The haphazard use of potash in fertilizer under all conditions should be discontinued. In the majority of cases potash is not needed, being supplied by the soil in sufficient quantity, and no returns are secured on the investment. Potash should be used only when it is known to be needed for the soil and for the crop to be grown on it. If potash is not known to be needed, then the chances are there will be no return on the money expended for it. Texas soils can get on much better without any addition of potash than without phosphoric acid or nitrogen. There have been, in the past, wastes of potash.

There is no doubt that the advertisements of the German potash syndicate have induced the use of much potash not really needed.

The present prices of potash are much too high to warrant its use as a fertilizer.

#### HOME MIXING.

It is often possible for consumers of fertilizers to save money by purchasing acid phosphate, cottonseed meal, or other fertilizing ingredients, and make their own mixtures. Information concerning this topic is given in bulletins of the Texas Experiment Station free on application. (See especially Bulletin 167.)

#### BULK SALES.

Fertilizer may be sold in bulk by manufacturers direct to consumers for their own use. The tax must, in such case, be paid by the manufacturer. Fertilizer purchased in bulk and then sold or distributed, must be bagged, and must have a tax tag attached to each sack, also a tag showing the guaranteed analysis of the fertilizer. Considerable saving, both in freight and purchase price, may be made by purchasing fertilizer in bulk. For further instructions as to the law concerning bulk sales, address the State Chemist at College Station.

#### LOW GRADE FERTILIZERS.

Purchasers are advised not to buy low grade fertilizers. The words "Low Grade" appear on the sack. The plant food in such fertilizer usually costs much more per pound than in standard or high grade goods, although the price per ton or per sack may be a little lower.

## COTTONSEED PRODUCTS.

Cottonseed meal sold for fertilizer purposes comes under the fertilizer law. A cottonseed product containing less than 6.88 per cent. nitrogen may not be sold as cottonseed meal, but must be termed cottonseed fertilizer, cottonseed meal and hulls, or given some other name to indicate that it is below the requirements for cottonseed meal.

## ANALYSES BELOW GUARANTEE.

Whenever any lot of fertilizer is 4 per cent. or more below guarantee, all persons who have sold this lot of fertilizer must make good the deficiency to all purchasers. The rebate is paid by the manufacturer to the dealer and by the dealer to the consumer.

A number of rebates have been paid under this provision of the law.

## LIMESTONE FILLER.

Some manufacturers of acid phosphate make a high grade phosphate and reduce it to 16 or 14 per cent. grade by means of limestone, or carbonate of lime. The use of limestone dries out the fertilizer and permits it to be drilled very easily, but the use of more than small amounts is likely to cause reversion of the acid phosphate and throw it below the guaranteed analysis. The reversion does not occur all at once, so that an early analysis may show the goods up to guarantee and a later analysis show them below guarantee.

In last year's bulletin are printed two analyses of acid phosphate, guaranteed at 16 per cent., but found to contain 13 per cent. available phosphoric acid associated with over 5 per cent. insoluble and 18 per cent. total phosphoric acid. Examination showed the samples to contain carbonate of lime. The deficiency was clearly due to the reversion of the acid phosphate caused by the use of a quantity of limestone as a filler.

## ARTIFICIAL COLORING.

A concern in Georgia is offering yellow clay for sale to fertilizer manufacturers, for the purpose of making fertilizers appear to contain cottonseed meal. In a letter they say: "We understand that as a partial substitute for cotton seed, which is just now a very costly article, our oxide gives about the same shade to certain fertilizers that cotton seed (meal) gives."

Any fertilizer containing this substance is *adulterated* under the Texas law. Its use is clearly for the purpose of deceiving the purchaser. Fertilizer containing it is liable to seizure and the manufacturer of such fertilizer is liable to a fine.

## EXPLANATION OF TERMS.

*Available phosphoric acid* is the phosphoric acid which can be taken up immediately by plants. Phosphoric acid promotes especially the

fruiting of plants, though it is necessary for the development of all parts of the plant.

*Total phosphoric acid* is the entire quantity of the phosphoric acid present, whether available or not. A guarantee of "total phosphoric acid" in place of "available" is made for bone, tankage, rock phosphate and Thomas phosphate.

*Nitrogen* is the total nitrogen in the fertilizer. It is necessary for the development of all parts of the plant, but an excess of nitrogen delays maturity and is likely to promote the growth of stalk and leaves at expense of fruit. Nitrogen is needed by many Texas soils.

*Potash* is required to be soluble in water. A great many Texas soils contain a sufficient quantity of potash, so that its use in fertilizers on such soils is a useless expense. Potash, like nitrogen, is needed by all parts of the plant, but especially by stalk and leaves. An excess of potash delays maturity and often promotes growth of stalk and leaves at the expense of the fruit.

*Valuation per ton* represents the cost of the plant food in the un-mixed raw material, at retail, in large markets. It is not the price at which the fertilizer is sold. The selling price includes also cost of mixing, sacks, transportation, and manufacturers' and dealers' profits.

#### *Fertilizer Valuations, 1916-1917.*

Cents per pound.

Available phosphoric acid.....	6
Total phosphoric acid in tankage and bone.....	4
Nitrogen in mixed fertilizers, bat guano.....	20
Nitrogen in bone and tankage.....	19
Potash .....	6

These valuations are not closely related to the prices of fertilizer, on account of the decided variations and changes due to the war. For example, the demand for sulphuric acid to be used in making explosives increased the price of sulphuric acid and sulphur pyrites and, as these are used in making acid phosphates, it resulted in an increase in the cost of acid phosphate.

#### *Relation of Valuation and Selling Price.*

	Number averaged.	Average valuation.	Average sell- ing price.
Acid phosphate, 14 per cent.....	9	\$16.80	\$20.00
Acid phosphate, 16 per cent.....	74	19.20	20.95
Low grade phosphate and nitrogen.....	..	....	....
Standard grade phosphate and nitrogen...	131	19.20	27.23
High grade phosphate and nitrogen.....	60	23.70	32.01
Low grade complete fertilizer.....	..	....	....
Standard grade complete fertilizer.....	61	19.82	32.76
High grade complete fertilizer.....	26	23.50	36.31

The valuations are decided on about September 1 and the prices may change before the active fertilizer season, from February to April.

#### ANALYSIS OF FERTILIZERS, 1916-17.

Table 1 contains a list of all samples of fertilizers subjected to analysis in the season beginning September 1, 1916, to date. The table gives the name and address of the manufacturer, the name of the brand, the guaranteed analysis, and the analysis found. Analyses below guarantee are brought out in heavy type. Practically all the samples were collected by our inspectors. Analyses and inspection were made by S. E. Asbury, T. L. Ogier, J. W. Enochs, and S. Lomanitz.

#### REGISTRATION, 1916-17.

A list of brands registered for sale in the season of 1916-17 is given in Table 2. Many of the brands so registered were sold only in lots of a few sacks, or were not sold at all in the state.



# COMMERCIAL FERTILIZERS IN 1916-1917.

9

Table I.—Analysis of Commercial Fertilizers, Season 1916-1917.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid—Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Arkansas Fertilizer Co., Little Rock, Ark.—</b>					
	White Diamond Acid Phosphate—Guarantee.	14.00			\$16.80
26835	Analysis.	14.25			17.10
	White Diamond Cotton Fertilizer Without Potash—Guarantee.	13.00	2.00		23.60
26900	Analysis.	11.59	2.52		23.99
	White Diamond New South—Guarantee.	10.00	1.65		18.60
26719	Analysis.	10.64	1.72		19.65
26766	Analysis.	11.58	1.49		19.86
26936	Analysis.	11.33	1.72		20.48
	White Diamond Queen of the South—Guarantee.	12.00	1.65		21.00
26832	Analysis.	13.77	1.80		23.72
	White Diamond Special Acid Phosphate—Guarantee.	16.00			19.20
26718	Analysis.	17.65			21.18
26901	Analysis.	15.91			19.09
26929	Analysis.	16.63			19.96
26934	Analysis.	16.22			19.46
	White Diamond Soluble Bone and Blood Fertilizer—Guarantee.	10.00	1.65		18.60
26935	Analysis.	10.86	1.82		20.31
	White Diamond Texas Special—Guarantee.	10.00	1.65	1.00	19.80
26767	Analysis.	10.07	1.83	1.36	21.03
26878	Analysis.	11.59	1.80	0.75	22.01
26899	Analysis.	11.36	1.65	1.18	21.65
	White Diamond 20th Century Fertilizer—Guarantee.	11.00	1.65		19.80
26833	Analysis.	10.52	2.97		24.26
	White Diamond 20th Century Fertilizer Without Potash—Guarantee.	11.00	1.65		19.80
26834	Analysis.	12.63	1.68		21.88
26898	Analysis.	10.72	1.92		20.54
26928	Analysis.	10.57	1.89		20.24
<b>Armour Fertilizer Works, New Orleans, La.—</b>					
	Armour's Onion Fertilizer No. 13—Guarantee.	1.00	4.94	1.00	22.16
26561	Analysis.	1.68	5.39	1.13	24.94
	Armour's Onion Fertilizer No. 14—Guarantee.	7.00	4.94		28.16
26557	Analysis.	7.13	4.56		26.80
26565	Analysis.	6.70	5.32		29.32
26570	Analysis.	7.07	4.56		26.72
26573	Analysis.	7.12	4.90		28.14
	Armour's Onion Fertilizer No. 15—Guarantee.	10.00	2.47	1.00	23.08
26554	Analysis.	8.98	2.60	1.08	22.48
	Armour's Special Farm Mixture—Guarantee.	8.00	1.65	2.00	18.60
26880	Analysis.	10.02	1.64	1.63	20.54
	Armour's Special Farm Mixture Without Potash—Guarantee.	10.00	1.65		18.60
26871	Analysis.	10.80	1.88		20.48
	Armour's Texas Trucker—Guarantee.	10.00	2.47		21.88
26622	Analysis.	10.48	2.19		21.34
26908	Analysis.	9.97	2.65		22.56
	Armour's Tomato Grower—Guarantee.	10.00	2.47		21.88
26623	Analysis.	9.61	1.98		19.45
26639	Analysis.	10.90	2.52		23.16
	Armour's Truck Special No. 2—Guarantee.	8.00	1.65	3.00	19.80
26621	Analysis.	8.91	1.81	2.23	20.61
26717	Analysis.	7.53	1.72	2.79	19.27
	Blood and Bone Special Without Potash—Guarantee.	10.00	1.65		18.60
26950	Analysis.	10.98	1.93		20.90
26954	Analysis.	10.59	1.70		19.51
26958	Analysis.	10.44	1.68		19.25
	Farmers' Choice with Potash—Guarantee.	10.00	1.65	1.00	19.80
26625	Analysis.	10.68	2.13	0.62	22.08
26716	Analysis.	10.52	1.98	1.21	21.99
26870	Analysis.	9.80	1.78	1.21	20.33
26907	Analysis.	10.19	2.00	0.93	21.35
	Farmers' Favorite—Guarantee.	10.00	1.65	2.00	21.00
26732	Analysis.	11.00	1.93	1.48	22.70
26893	Analysis.	9.03	1.99	1.73	20.88
	Helmet Phosphate—Guarantee.	12.00			14.40
26681	Analysis.	10.28			12.34
	King Cotton—Guarantee.	8.00	1.65	2.00	18.60
26894	Analysis.	8.91	1.93	1.50	20.21

Table I.—Analysis of Commercial Fertilizers, Season 1916-1917.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid—Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Armour Fertilizer Works, New Orleans, La.—Continued.</b>					
	King Cotton Without Potash—Guarantee.....	10.00	1.65		\$18.60
26618	Analysis.....	9.36	1.82		18.51
26626	Analysis.....	10.51	1.76		19.65
26672	Analysis.....	9.82	1.68		18.50
26734	Analysis.....	10.91	1.91		20.73
26738	Analysis.....	10.32	1.89		19.94
26758	Analysis.....	11.23	2.08		21.80
26771	Analysis.....	10.79	1.66		19.59
26906	Analysis.....	9.86	1.66		18.47
	Nitrate of Soda—Guarantee.....		14.81		59.24
26562	Analysis.....		15.67		62.68
	Royal Mixture With Potash—Guarantee.....	10.00	1.65	1.00	19.80
26624	Analysis.....	10.55	1.73	1.10	20.90
26670	Analysis.....	9.22	1.86	1.24	19.99
26682	Analysis.....	9.66	1.56	1.01	19.04
26715	Analysis.....	8.55	1.72	1.17	18.54
26733	Analysis.....	10.01	1.76	1.23	20.53
26892	Analysis.....	10.25	1.88	1.00	21.02
	Sandy Highland Special—Guarantee.....	10.00	1.65	1.50	20.40
26891	Analysis.....	10.21	1.83	1.02	20.79
	Special Blood Mixture Without Potash—Guarantee.....	11.00	1.65		19.80
26617	Analysis.....	11.08	1.93		21.02
	Special Farm Mixture Without Potash—Guarantee.....	10.00	1.65		18.60
26627	Analysis.....	10.37	1.81		19.67
26671	Analysis.....	11.12	1.88		20.86
26739	Analysis.....	10.88	1.89		20.62
26770	Analysis.....	10.60	1.88		20.24
26795	Analysis.....	10.52	1.94		20.38
	Star Phosphate, 16 Per Cent—Guarantee.....	16.00			19.20
26558	Analysis.....	16.22			19.46
26628	Analysis.....	17.80			21.36
26680	Analysis.....	17.72			21.26
26740	Analysis.....	17.03			20.44
26783	Analysis.....	16.74			20.09
26881	Analysis.....	17.78			21.34
26946	Analysis.....	15.75			18.90
26948	Analysis.....	15.69			18.83
26949	Analysis.....	15.31			18.37
26951	Analysis.....	16.99			20.39
26953	Analysis.....	15.84			19.00
26956	Analysis.....	16.59			19.91
26957	Analysis.....	15.81			18.97
<b>Bowie County Cotton Oil Co., New Boston, Texas—</b>					
	Bowie Acid Phosphate—Guarantee.....	16.00			19.20
26917	Analysis.....	16.06			19.27
	Bowie Cottonseed Fertilizer—Guarantee.....	2.25	6.50	1.50	30.50
26916	Analysis.....	2.14	6.91	1.33	31.81
<b>Bryan Cotton Oil and Fertilizer Co., Bryan, Texas—</b>					
	Star Brand Cotton and Corn Fertilizer—Guarantee.....	11.50	1.80		21.00
26677	Analysis.....	12.28	2.04		22.90
	Star Brand Potato Fertilizer—Guarantee.....	8.00	3.50		23.60
26679	Analysis.....	9.30	3.23		24.08
	Star Brand 16 Per Cent Acid Phosphate—Guarantee.....	16.00			19.20
26678	Analysis.....	16.62			19.94
<b>Dallas Fertilizer and Reduction Co., Dallas, Texas—</b>					
	Beaver Brand Acid Phosphate—Guarantee.....	16.00			19.20
26840	Analysis.....	16.51			19.81
	Beaver Brand Cotton and Corn Grower—Guarantee.....	10.00	2.47		21.88
26839	Analysis.....	10.83	3.14		25.56
<b>East Texas Fertilizer Co., Tyler, Texas—</b>					
	Bull Corn and Cotton—Guarantee.....	10.00	2.00	1.00	21.20
26653	Analysis.....	10.87	1.59	1.25	20.90
26889	Analysis.....	11.06	1.70	1.28	21.61
	Cottonseed Fertilizer—Guarantee.....	1.00	5.00	1.00	22.40
26614	Analysis.....	2.11	5.33	1.48	25.63
26656	Analysis.....	1.87	5.01	1.37	23.92
26658	Analysis.....	2.29	6.77	1.68	31.85

Table I.—Analysis of Commercial Fertilizers, Season 1916-1917.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>East Texas Fertilizer Co., Tyler, Texas—Continued.</b>					
	16 Per Cent Acid Phosphate—Guarantee.....	16.00			\$19.20
26613	Analysis.....	16.54			19.85
26652	Analysis.....	17.52			21.02
26655	Analysis.....	16.40			19.68
26874	Analysis.....	16.88			20.26
26887	Analysis.....	16.42			19.70
	Tomato Grower—Guarantee.....	10.00	2.47		21.88
26616	Analysis.....	11.66	1.97		21.87
26660	Analysis.....	10.73	2.05		21.08
26666	Analysis.....	11.14	1.84		20.73
	Wiley's 11-1.65 Farm Mixture—Guarantee.....	11.00	1.65		19.80
26872	Analysis.....	12.04	1.43		20.17
	Wiley's Farm Mixture—Guarantee.....	10.00	1.65		18.60
26615	Analysis.....	11.14	1.38		18.89
26657	Analysis.....	10.85	1.58		19.34
26667	Analysis.....	11.69	1.39		19.59
26886	Analysis.....	10.91	1.57		19.37
26890	Analysis.....	10.62	1.50		18.75
	Wiley's Tomato Special—Guarantee.....	9.00	2.80		22.00
26659	Analysis.....	10.73	2.26		21.92
<b>Fidelity Chemical Corporation, Houston, Texas—</b>					
	Fidelity Cotton Grower Non-Potassic—Guarantee.....	10.00	2.00		20.00
26786	Analysis.....	11.05	1.70		20.06
	Fidelity Cotton Special Fertilizer—Guarantee.....	10.00	1.65	2.00	21.00
26809	Analysis.....	9.43	1.62	1.68	19.82
	Fidelity Lone Star Special Fertilizer—Guarantee.....	10.00	1.65	6.00	25.80
26820	Analysis.....	9.01	1.84	5.59	24.88
	Fidelity Potato Special Fertilizer—Guarantee.....	7.00	2.06	3.00	20.24
26812	Analysis.....	6.93	2.08	3.53	20.88
	Fidelity 16 Per Cent Acid Phosphate—Guarantee.....	16.00			19.20
26811	Analysis.....	16.90			20.28
	Fidelity Truck Grower Fertilizer—Guarantee.....	8.00	2.47	8.00	29.08
26810	Analysis.....	9.44	2.48	5.77	28.17
<b>Gate City Fertilizer Co., Texarkana, Ark.—</b>					
	Red Ball Complete Fertilizer—Guarantee.....	10.00	1.65	1.00	19.80
26720	Analysis.....	10.73	1.89	1.07	21.70
26904	Analysis.....	9.59	2.00	1.16	20.90
	Red Ball Cotton Grower Without Potash—Guarantee.....	11.00	1.65		19.80
26755	Analysis.....	8.84	1.83		17.93
	Red Ball Extra Acid Phosphate—Guarantee.....	16.00			19.20
26721	Analysis.....	16.24			19.49
26757	Analysis.....	15.85			19.02
	Red Ball Four State Standard Without Potash—Guarantee.....	11.00	1.65		19.80
26902	Analysis.....	10.11	1.76		19.17
	Red Ball Old Reliable Fertilizer Without Potash—Guarantee.....	10.00	1.65		18.60
26722	Analysis.....	10.09	1.90		19.71
26903	Analysis.....	12.25	1.84		22.06
	Red Ball Southern Corn Grower Without Potash—Guarantee.....	11.00	1.65		19.80
26756	Analysis.....	8.56	2.10		18.67
<b>Hope Fertilizer Co., Hope, Ark.—</b>					
	Hope Hustler Without Potash—Guarantee.....	10.00	1.65		18.60
26875	Analysis.....	10.03	2.10		20.44
26925	Analysis.....	10.21	1.80		19.45
	Stork Brand 16 Per Cent Acid Phosphate—Guarantee.....	16.00			19.20
26930	Analysis.....	15.77			18.92
<b>Henderson Cotton Oil and Gin Co., Henderson, Texas—</b>					
	Henderson Acid Phosphate—Guarantee.....	16.00			19.20
26727	Analysis.....	17.38			20.86
26933	Analysis.....	16.60			19.92
	Henderson Half and Half—Guarantee.....	8.70	3.50		24.44
26726	Analysis.....	9.44	3.74		26.29
26932	Analysis.....	9.42	3.82		26.58
	Henderson Staple—Guarantee.....	10.00	2.00		20.00
26725	Analysis.....	11.77	2.69		24.88
26931	Analysis.....	11.65	2.80		25.18

Table I.—Analysis of Commercial Fertilizers, Season 1916-1917.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid—Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
	<b>Houston County Oil Mill and Manufacturing Co., Crockett, Texas—</b>				
	Crockett Compound—Guarantee.....	9.00	3.50	1.00	\$26.00
26814	Analysis.....	10.99	3.22	0.83	27.07
	Crockett Phosphate Meal Mixture—Guarantee.....	11.00	1.65	.....	19.80
26813	Analysis.....	12.26	1.90	.....	22.31
	Crockett 16 Per Cent Acid Phosphate—Guarantee.....	16.00	.....	.....	19.20
26704	Analysis.....	17.58	.....	.....	21.10
26815	Analysis.....	16.96	.....	.....	20.35
	Crockett Special Mixture—Guarantee.....	10.90	1.70	1.00	21.08
26816	Analysis.....	11.45	1.86	1.04	22.43
	<b>Industrial Cotton Oil Properties, Houston, Texas—</b>				
	Industrial 18 Per Cent Acid Phosphate Longhorn Brand—Guarantee.....	18.00	.....	.....	21.60
26594	Analysis.....	19.08	.....	.....	22.89
	<b>Houston Packing Co., Houston, Texas—</b>				
	Acid Phosphate—Guarantee.....	14.00	.....	.....	16.80
26601	Analysis.....	17.06	.....	.....	20.47
	Blood and Bone—Guarantee.....	*14.50	5.60	.....	32.88
26599	Analysis.....	*12.81	6.28	.....	34.11
26602	Analysis.....	*15.25	5.75	.....	34.01
26798	Analysis.....	*14.13	6.09	.....	34.45
	Ground Raw Bone—Guarantee.....	*23.00	3.70	.....	32.46
26608	Analysis.....	*19.88	4.07	.....	31.37
	Steamed Bone Meal—Guarantee.....	*27.00	2.00	.....	29.20
26600	Analysis.....	*23.95	3.61	.....	32.88
	<b>Longview Cotton Oil Co., Longview, Texas—</b>				
	Acid Phosphate—Guarantee.....	14.00	.....	.....	16.80
26731	Analysis.....	14.28	.....	.....	17.14
26844	Analysis.....	14.54	.....	.....	17.45
	Longview Corn Hustler Without Potash—Guarantee.....	8.00	3.00	.....	21.60
26843	Analysis.....	9.24	3.18	.....	23.81
	Longview Cotton Grower Without Potash—Guarantee.....	10.00	2.00	.....	20.00
26842	Analysis.....	11.25	2.00	.....	21.48
	Longview Peanut Special—Guarantee.....	10.50	1.65	.....	19.20
26841	Analysis.....	11.04	1.95	.....	21.05
	<b>Marshall Fertilizer Factory, Marshall, Texas—</b>				
	Cotton Special—Guarantee.....	10.00	1.65	.....	18.60
26735	Analysis.....	10.90	1.78	.....	20.20
26855	Analysis.....	11.57	1.76	.....	20.92
	High Grade Acid Phosphate—Guarantee.....	16.00	.....	.....	19.20
26737	Analysis.....	17.41	.....	.....	20.89
26854	Analysis.....	17.61	.....	.....	21.13
	Truck Special—Guarantee.....	7.00	2.47	2.00	20.68
26736	Analysis.....	8.35	2.22	1.95	21.24
	<b>Meridian Fertilizer Factory, Shreveport, La.—</b>				
	Caddo—Cotton Non-Potassic—Guarantee.....	10.35	1.90	.....	20.02
26700	Analysis.....	10.51	2.28	.....	21.73
26707	Analysis.....	11.02	2.14	.....	21.78
26796	Analysis.....	10.84	2.02	.....	21.09
	Meridian Blood and Bone—Guarantee.....	10.00	1.65	1.00	19.80
26580	Analysis.....	11.28	1.86	1.26	22.49
26636	Analysis.....	11.04	1.97	1.25	22.63
	Meridian Blood and Bone Non-Potassic—Guarantee.....	11.00	1.65	.....	19.80
26584	Analysis.....	11.55	1.74	.....	20.82
26635	Analysis.....	11.94	1.67	.....	21.01
26674	Analysis.....	11.28	1.44	.....	19.30
26782	Analysis.....	11.04	2.19	.....	22.01
26897	Analysis.....	12.12	1.61	.....	20.98
	Meridian Corn Club Special—Guarantee.....	7.50	2.47	1.00	20.08
26589	Analysis.....	9.37	2.56	1.02	22.70
	Meridian Corn Club Special Non-Potassic—Guarantee.....	8.50	2.47	.....	20.08
26697	Analysis.....	8.00	2.27	.....	18.68
	Meridian Corn Grower Non-Potassic—Guarantee.....	8.50	2.88	.....	21.72
26706	Analysis.....	10.57	2.55	.....	22.88
	Meridian Easy Driller Phosphate—Guarantee.....	16.00	.....	.....	19.20
26944	Analysis.....	15.03	.....	.....	18.04

\*Total Phosphoric Acid.



Table I.—Analysis of Commercial Fertilizers, Season 1916-1917.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid— Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Meridian Fertilizer Factory, Shreveport, La.—Continued.</b>					
26668	Meridian Farm Special—Guarantee.	10.00	1.65	.....	\$18.60
	Analysis.	11.90	2.03	.....	22.40
26800	Analysis.	11.36	1.80	.....	20.83
	Meridian Home Mixture—Guarantee.	10.00	1.65	1.00	19.80
26752	Analysis.	10.86	1.70	0.69	20.66
26868	Analysis.	11.07	1.88	1.06	22.07
26920	Analysis.	11.57	1.88	1.01	22.61
	Meridian Home Mixture Non-Potassic—Guarantee.	11.00	1.65	.....	19.80
26676	Analysis.	12.05	1.82	.....	21.74
26713	Analysis.	11.42	1.72	.....	20.58
26753	Analysis.	11.97	1.88	.....	21.88
26778	Analysis.	11.95	1.70	.....	21.14
26788	Analysis.	12.07	1.89	.....	22.04
26846	Analysis.	11.73	2.05	.....	22.28
26885	Analysis.	12.72	1.97	.....	23.14
26921	Analysis.	11.57	1.82	.....	21.16
26945	Analysis.	10.65	1.84	.....	20.14
	Meridian Meal Mixture—Guarantee.	10.00	1.65	1.00	19.80
26827	Analysis.	12.43	1.70	0.75	22.62
	Meridian Meal Mixture Non-Potassic—Guarantee.	11.00	1.65	.....	19.80
26620	Analysis.	12.22	1.91	.....	22.30
26698	Analysis.	11.16	2.05	.....	21.59
26845	Analysis.	13.04	1.88	.....	23.17
	Meridian Melon Grower—Guarantee.	8.50	2.47	.....	20.08
26799	Analysis.	9.52	2.38	.....	20.94
	Meridian Southern Acid Phosphate—Guarantee.	14.00	.....	.....	16.80
26699	Analysis.	14.95	.....	.....	17.94
	Meridian Standard Cotton and Corn Non-Potassic— Guarantee.	10.35	1.90	.....	20.02
26943	Analysis.	10.98	2.29	.....	22.34
	Meridian Special Cotton Formula—Guarantee.	10.00	1.65	.....	18.60
26723	Analysis.	11.03	1.78	.....	20.36
26764	Analysis.	11.49	1.80	.....	20.99
26867	Analysis.	10.99	1.72	.....	20.07
26896	Analysis.	10.88	1.98	.....	20.98
26942	Analysis.	12.21	1.98	.....	22.57
	Meridian Tankage Compound—Guarantee.	8.50	2.47	.....	20.08
26797	Analysis.	9.83	2.52	.....	21.88
	Meridian Tomato Special Non-Potassic—Guarantee.	11.00	2.47	.....	23.08
26612	Analysis.	11.75	2.55	.....	24.30
26619	Analysis.	12.33	2.39	.....	24.36
26673	Analysis.	11.59	2.31	.....	23.15
26714	Analysis.	11.85	2.36	.....	23.66
26828	Analysis.	12.44	2.39	.....	24.49
	Meridian Trucker's Special Non-Potassic—Guarantee.	11.00	1.65	.....	19.80
26654	Analysis.	12.23	1.93	.....	22.40
	Texas Special—Guarantee.	10.00	2.72	.....	22.88
26754	Analysis.	10.49	2.84	.....	23.95
	Union Special Acid Phosphate—Guarantee.	16.00	.....	.....	19.20
26590	Analysis.	16.17	.....	.....	19.40
26637	Analysis.	17.42	.....	.....	20.90
26675	Analysis.	16.70	.....	.....	20.04
26705	Analysis.	16.39	.....	.....	19.67
26724	Analysis.	17.43	.....	.....	20.92
26781	Analysis.	17.27	.....	.....	20.72
26801	Analysis.	17.23	.....	.....	20.68
26857	Analysis.	18.51	.....	.....	22.21
26922	Analysis.	17.52	.....	.....	21.02
<b>Nitrate Agencies Co. of Texas, Houston, Texas—</b>					
	Acid Phosphate—Guarantee.	16.00	.....	.....	19.20
26606	Analysis.	17.45	.....	.....	20.94
26669	Analysis.	17.20	.....	.....	20.64
	Nitrate of Soda—Guarantee.	.....	15.00	.....	60.00
26556	Analysis.	.....	15.56	.....	62.24
26560	Analysis.	.....	15.63	.....	62.52
26607	Analysis.	.....	15.12	.....	60.48
<b>Palestine Oil and Manufacturing Co., Palestine, Texas—</b>					
	Acid Phosphate—Guarantee.	14.00	.....	.....	16.80
26609	Analysis.	14.84	.....	.....	17.81

Table I.—Analysis of Commercial Fertilizers, Season 1916-1917.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid—Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
	<b>Pelican Fertilizer Works, Shreveport, La.—</b>				
	Pelican Cotton Grower—Guarantee.....	10.00	1.65	.....	\$18.60
26837	Analysis.....	10.98	1.82	.....	20.46
26877	Analysis.....	11.73	2.14	.....	22.64
	Pelican Fish Formula—Guarantee.....	10.00	1.65	1.00	19.80
26876	Analysis.....	11.05	2.09	1.28	23.16
	Pelican Fish Formula Non-Potassic—Guarantee.....	11.00	1.65	.....	19.80
26583	Analysis.....	11.74	2.04	.....	22.25
26630	Analysis.....	11.82	1.79	.....	21.34
	Pelican Meal Compound—Guarantee.....	10.00	1.65	1.00	19.80
26838	Analysis.....	10.82	1.67	0.90	20.74
	Pelican Meal Compound Non-Potassic—Guarantee.....	11.00	1.65	.....	19.80
26909	Analysis.....	11.84	1.94	.....	21.97
	Pelican Special Phosphate—Guarantee.....	16.00	.....	.....	19.20
26581	Analysis.....	16.97	.....	.....	20.36
26629	Analysis.....	16.99	.....	.....	20.39
26888	Analysis.....	16.86	.....	.....	20.23
26911	Analysis.....	16.24	.....	.....	19.49
	Pelican Tomato Special—Guarantee.....	10.00	2.47	1.00	23.08
26631	Analysis.....	11.10	2.30	1.00	23.72
	Pelican Truck Grower—Guarantee.....	10.00	2.47	.....	21.88
26632	Analysis.....	10.70	2.56	.....	23.08
	<b>Planters' Fertilizer and Chemical Co., New Orleans, La.</b>				
	Farm Special—Guarantee.....	8.00	1.65	2.00	18.60
26914	Analysis.....	9.10	2.09	2.02	21.70
	Imperial Cotton Mixture—Guarantee.....	8.00	1.65	2.00	18.60
26912	Analysis.....	8.96	1.87	1.89	20.50
	Planter's Blood and Bone With Potash—Guarantee.....	10.00	1.65	1.00	19.80
26576	Analysis.....	9.82	1.99	1.06	21.01
26610	Analysis.....	8.95	1.80	1.49	19.73
26648	Analysis.....	9.14	1.72	1.04	19.10
26703	Analysis.....	10.14	1.83	1.07	20.77
26745	Analysis.....	9.72	1.69	0.78	19.36
	Planter's Blood and Bone Without Potash—Guarantee.....	10.00	1.95	.....	19.80
26664	Analysis.....	11.04	2.22	.....	22.13
	Planter's Corn Fertilizer—Guarantee.....	8.00	2.47	2.00	21.88
26691	Analysis.....	7.74	2.48	1.87	21.45
26744	Analysis.....	8.24	2.40	1.67	21.49
	Planter's Farm Special Without Potash—Guarantee.....	10.00	1.65	.....	18.60
26647	Analysis.....	10.77	1.70	.....	19.72
26693	Analysis.....	10.67	1.80	.....	20.00
26709	Analysis.....	10.30	1.78	.....	19.48
26787	Analysis.....	10.73	1.74	.....	19.84
26791	Analysis.....	10.14	1.88	.....	19.69
26915	Analysis.....	10.89	1.92	.....	20.75
	Planter's Farmer's Champion with Potash—Guarantee.....	10.00	1.65	1.00	19.80
26645	Analysis.....	10.71	1.84	1.31	21.78
26692	Analysis.....	10.19	1.76	0.45	19.81
26742	Analysis.....	10.33	1.95	0.89	21.27
	Planter's 14 Per Cent Acid Phosphate—Guarantee.....	14.00	.....	.....	16.80
26605	Analysis.....	14.84	.....	.....	17.81
26807	Analysis.....	15.66	.....	.....	18.79
	Planter's Fruit and Vegetable Formula—Guarantee.....	8.00	1.65	3.00	19.80
26611	Analysis.....	7.69	1.90	2.79	20.18
26645	Analysis.....	7.38	1.73	2.72	19.04
26663	Analysis.....	8.90	1.63	2.66	20.39
26743	Analysis.....	8.74	1.76	2.67	20.73
	Planter's Imperial Cotton Mixture Without Potash—Guarantee.....	10.00	1.65	.....	18.60
26644	Analysis.....	9.30	1.80	.....	18.36
26741	Analysis.....	11.16	1.80	.....	20.59
26913	Analysis.....	10.41	1.88	.....	20.01
	Planters' Tomato Grower—Guarantee.....	10.00	2.47	.....	21.88
26710	Analysis.....	10.49	2.26	.....	21.63
	Planters' Raw Bone Superphosphate With Potash—Guarantee.....	9.50	1.65	1.50	19.80
26604	Analysis.....	10.07	1.69	1.27	20.36
	Planters' Raw Bone Superphosphate Without Potash—Guarantee.....	11.00	1.65	.....	19.80
26603	Analysis.....	11.11	1.71	.....	20.17
26808	Analysis.....	11.14	1.84	.....	20.73
	Planters' 16 Per Cent Acid Phosphate—Guarantee.....	16.00	.....	.....	19.20
26642	Analysis.....	17.30	.....	.....	20.76
26665	Analysis.....	16.92	.....	.....	20.30
26746	Analysis.....	16.24	.....	.....	19.49
26856	Analysis.....	16.37	.....	.....	19.64

Table I.—Analysis of Commercial Fertilizers, Season 1916-1917.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid—Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Shreveport Fertilizer Works, Shreveport, La.—</b>					
26959	Lion Acid Phosphate and Limestone—Guarantee	16.00			\$19.20
	Analysis	17.76			21.31
26829	Lion Fruiter—Guarantee	10.00	2.00		20.00
	Analysis	11.39	2.14		22.23
26649	Lion Meal Formula—Guarantee	10.00	1.65		18.60
26960	Analysis	10.71	2.06		21.09
26830	Lion Special—Guarantee	11.60	2.11		22.36
	Analysis	8.50	2.50		20.20
26905	Lion Success Mixture—Guarantee	9.54	2.31		20.69
	Analysis	11.00	1.65		19.80
26577	Lion Tomato Special—Guarantee	11.25	2.11		21.94
26650	Analysis	10.00	2.50		22.00
26578	Lion Xtra Good Acid Phosphate—Guarantee	11.08	2.85		24.70
26651	Analysis	11.24	2.86		24.93
26765	Analysis	16.00			19.20
26831	Analysis	17.29			20.75
	Analysis	18.17			21.80
	Analysis	16.55			19.86
	Analysis	16.52			19.82
<b>Sulphur Springs Acid and Fertilizer Co., Sulphur Springs, Texas—</b>					
26761	Acid Phosphate—Guarantee	16.00			19.20
	Analysis	16.64			19.97
26760	Cotton Fertilizer—Guarantee	10.00	1.65		18.60
	Analysis	11.84	1.85		21.83
26759	Planters' Special Fertilizer—Guarantee	8.00	3.00		21.60
	Analysis	8.37	3.26		23.08
<b>Swift &amp; Co., Harvey, La.—</b>					
26694	Swift's Ammoniated Phosphate—Guarantee	12.00	1.65		21.00
	Analysis	13.03	1.93		23.36
26592	Swift's Ammoniated Raw Bone Superphosphate—Guarantee	9.50	1.65	1.50	19.80
26597	Analysis	8.46	2.01	1.56	20.06
26683	Analysis	10.99	1.74	1.52	21.97
26685	Analysis	10.42	1.90	1.32	21.68
26806	Analysis	40.44	1.74	1.55	21.11
	Analysis	11.12	1.55	1.33	21.54
26688	Swift's Champion Vegetable Grower—Guarantee	8.00	3.29	3.00	26.36
	Analysis	8.93	3.43	2.20	27.08
26579	Swift's Blood and Bone Special—Guarantee	10.00	2.47		21.88
26633	Analysis	12.51	2.32		24.29
26696	Analysis	12.81	2.15		23.97
26728	Analysis	12.76	2.30		24.51
26823	Analysis	10.63	2.22		21.64
26852	Analysis	10.34	2.74		23.37
26858	Analysis	10.80	2.60		23.36
26939	Analysis	10.05	2.60		22.46
	Analysis	10.58	2.84		24.06
26790	Swift's Excelsior Crop Producer—Guarantee	10.00	1.65		18.60
26836	Analysis	11.59	2.06		22.15
26850	Analysis	10.10	2.09		20.48
	Analysis	14.17	1.03		21.12
26748	Swift's Garden City Phosphate, 14 Per Cent—Guarantee	14.00			16.80
26941	Analysis	15.77			18.92
	Analysis	15.54			18.65
26866	Swift's General Crop Producer—Guarantee	11.00	1.65		19.80
	Analysis	12.60	1.82		22.40
26582	Swift's High Grade Acid Phosphate, 16 Per Cent—Guarantee	16.00			19.20
26593	Analysis	17.17			20.60
26598	Analysis	16.07			19.28
26634	Analysis	17.78			21.34
26684	Analysis	17.70			21.24
26687	Analysis	17.17			20.60
26690	Analysis	17.55			21.06
26730	Analysis	17.04			20.45
26773	Analysis	16.58			19.90
26822	Analysis	17.15			20.58
26853	Analysis	17.91			21.49
26860	Analysis	18.02			21.62
26926	Analysis	17.33			20.79
26947	Analysis	16.79			20.15
	Analysis	16.72			20.06

Table I.—Analysis of Commercial Fertilizers, Season 1916-1917.

Laboratory Number.	Manufacturer, Place of Business and Brand	Phosphoric Acid—Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Swift &amp; Co., Harvey, La.—Continued.</b>					
	Swift's Laredo Mixture—Guarantee.....	8.00	3.29	.....	\$22.76
26555	Analysis.....	<b>6.90</b>	3.42	.....	21.96
26559	Analysis.....	<b>5.88</b>	2.56	.....	17.29
26564	Analysis.....	<b>6.99</b>	3.48	.....	22.31
26567	Analysis.....	<b>6.80</b>	3.61	.....	23.60
26568	Analysis.....	<b>6.72</b>	3.64	.....	22.62
26569	Analysis.....	<b>7.29</b>	3.30	.....	21.95
26574	Analysis.....	<b>8.24</b>	3.48	.....	23.81
	Swift's Non-Potassic Cotton and Corn Grower—Guarantee.....	11.00	1.65	.....	19.80
26689	Analysis.....	11.48	1.88	.....	21.30
	Swift's Onion Grower Special—Guarantee.....	7.00	4.94	.....	28.16
26563	Analysis.....	<b>5.15</b>	5.01	.....	26.22
	Swift's Special Cotton and Corn Grower—Guarantee.....	10.00	1.65	1.00	19.80
26595	Analysis.....	10.93	1.76	<b>0.84</b>	21.16
26686	Analysis.....	10.50	1.68	<b>1.13</b>	20.68
	Swift's Special Mixture—Guarantee.....	10.00	1.65	.....	18.60
26695	Analysis.....	11.01	1.80	.....	20.41
26729	Analysis.....	<b>9.92</b>	2.10	.....	20.30
26747	Analysis.....	<b>9.63</b>	1.91	.....	19.20
26772	Analysis.....	10.11	1.86	.....	19.57
26789	Analysis.....	10.96	2.08	.....	21.47
26792	Analysis.....	10.06	1.96	.....	19.91
26819	Analysis.....	11.08	2.37	.....	22.78
26821	Analysis.....	10.63	1.66	.....	19.40
26849	Analysis.....	10.71	1.95	.....	20.65
26859	Analysis.....	10.65	1.92	.....	20.46
26859	Analysis.....	10.65	1.92	.....	20.46
26865	Analysis.....	11.34	1.84	.....	20.97
26927	Analysis.....	11.11	1.76	.....	20.37
	Swift's Special Tankage Fertilizer—Guarantee.....	4.80	5.27	.....	25.79
26566	Analysis.....	4.80	<b>5.13</b>	.....	25.25
26571	Analysis.....	<b>4.67</b>	<b>4.62</b>	.....	24.08
26572	Analysis.....	<b>4.63</b>	<b>4.94</b>	.....	25.32
	Swift's Truckers Favorite—Guarantee.....	8.00	2.47	1.00	20.68
26591	Analysis.....	<b>6.60</b>	2.58	<b>.91</b>	19.33
26596	Analysis.....	8.80	2.62	1.10	22.36
26805	Analysis.....	7.67	2.54	1.34	20.97
26851	Analysis.....	8.64	2.58	1.01	21.90
<b>Union Seed and Fertilizer Co., New Orleans, La.—</b>					
	Bull Dog Acid Phosphate—Guarantee.....	16.00	.....	.....	19.20
26919	Analysis.....	17.16	.....	.....	20.59
	Economizer Without Potash—Guarantee.....	12.00	1.65	.....	21.00
26918	Analysis.....	14.58	1.76	.....	24.54
	Gold Smith's Improved Mixture Without Potash—Guarantee.....	11.00	1.65	.....	19.80
26895	Analysis.....	11.37	1.79	.....	20.80
26910	Analysis.....	12.63	1.86	.....	22.60
<b>Virginia-Carolina Chemical Co., Shreveport, La.—</b>					
	B. B. B. Beef, Blood and Bone—Guarantee.....	10.00	1.65	1.00	19.80
26586	Analysis.....	10.41	<b>1.50</b>	<b>0.86</b>	19.52
	B. B. B. Beef, Blood and Bone Non-Potassic—Guarantee.....	11.00	1.65	.....	19.80
26701	Analysis.....	13.05	1.78	.....	22.78
26938	Analysis.....	12.28	1.78	.....	21.86
	Georgia State Grange—Guarantee.....	10.00	1.65	1.00	19.80
26587	Analysis.....	10.34	1.88	1.10	21.25
26784	Analysis.....	11.03	2.01	1.00	22.48
	Georgia State Grange, Non-Potassic—Guarantee.....	11.00	1.65	.....	19.80
26711	Analysis.....	11.58	1.94	.....	21.66
26779	Analysis.....	12.17	1.98	.....	22.52
26785	Analysis.....	12.42	2.00	.....	22.90
26793	Analysis.....	11.24	2.04	.....	21.65
26937	Analysis.....	12.62	1.70	.....	21.94
	Royal Cotton Boll Guano, Non-Potassic—Guarantee.....	10.00	1.65	.....	18.60
26818	Analysis.....	10.57	2.00	.....	20.68
26863	Analysis.....	10.88	2.02	.....	21.14
	Royal Tomato Formula—Guarantee.....	10.00	2.47	1.00	23.08
26661	Analysis.....	11.47	2.60	<b>1.06</b>	25.63
	Royal Tomato Formula, Non-Potassic—Guarantee.....	11.00	2.47	.....	23.08
26640	Analysis.....	12.48	<b>2.34</b>	.....	24.34
26641	Analysis.....	12.56	<b>2.39</b>	.....	24.63
26824	Analysis.....	11.76	2.56	.....	23.45



Table I.—Analysis of Commercial Fertilizers, Season 1916-1917.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
	<b>Virginia-Carolina Chemical Co., Shreveport, La.—Continued.</b>				
26802	Scott's Gossypium Phospho—Guarantee.....	10.00	1.65	1.50	\$20.40
	Analysis.....	11.38	1.89	1.53	23.16
26708	Scott's Gossypium Phospho, Non-Potassic—Guarantee.....	11.50	1.65	.....	20.40
	Analysis.....	12.75	2.00	.....	23.30
26862	Scott's Gossypium Phospho Special, Non-Potassic—Guarantee.....	12.00	1.65	.....	21.00
	Analysis.....	13.43	1.92	.....	23.80
26803	Scott's State Standard Guano—Guarantee.....	8.00	1.65	2.00	18.60
	Analysis.....	9.39	2.07	1.66	21.54
	Scott's State Standard Guano, Non-Potassic—Guarantee.....	10.00	1.65	.....	18.60
26751	Analysis.....	11.44	1.82	.....	21.01
26763	Analysis.....	10.68	1.97	.....	20.70
26804	Analysis.....	10.56	1.89	.....	20.23
26825	Analysis.....	11.44	1.96	.....	21.57
26847	Analysis.....	11.16	1.72	.....	20.27
26861	Analysis.....	11.54	1.89	.....	21.41
26869	Analysis.....	10.69	1.98	.....	20.75
26883	Analysis.....	10.78	1.99	.....	20.90
26924	Analysis.....	10.84	1.94	.....	20.77
	V. C. High Grade Champion Compound, Non-Potassic—Guarantee.....	12.00	3.00	.....	26.40
26749	Analysis.....	12.96	3.24	.....	28.51
26873	V. C. Meal Formula, Non-Potassic—Guarantee.....	10.00	1.65	.....	18.60
	Analysis.....	11.00	2.01	.....	21.24
26585	V. C. C. Co.'s 16 Per Cent Phosphate—Guarantee.....	16.00	.....	.....	19.20
26588	Analysis.....	17.56	.....	.....	21.07
26712	Analysis.....	18.44	.....	.....	22.13
26762	Analysis.....	17.47	.....	.....	20.96
26780	Analysis.....	16.36	.....	.....	19.63
26817	Analysis.....	17.32	.....	.....	20.78
26848	Analysis.....	17.15	.....	.....	20.58
26879	Analysis.....	16.33	.....	.....	19.60
26882	Analysis.....	15.98	.....	.....	19.18
26923	Analysis.....	16.91	.....	.....	20.29
26952	Analysis.....	16.91	.....	.....	20.29
26955	Analysis.....	16.84	.....	.....	20.21
	Analysis.....	16.25	.....	.....	19.50
26662	V. C. Tomato Special—Guarantee.....	10.00	2.47	1.50	23.68
26884	Analysis.....	12.51	1.73	1.14	23.30
	Analysis.....	10.24	2.37	1.60	23.69
26575	V. C. XXX Special—Guarantee.....	8.00	2.47	1.00	20.68
	Analysis.....	10.54	2.54	0.70	23.81
26643	V. C. XXX Special, Non-Potassic—Guarantee.....	9.00	2.47	.....	20.68
26702	Analysis.....	9.94	2.61	.....	22.37
26750	Analysis.....	9.70	2.28	.....	20.76
26794	Analysis.....	9.45	2.81	.....	22.58
26864	Analysis.....	9.89	2.86	.....	23.31
26940	Analysis.....	10.92	2.34	.....	22.46
	Analysis.....	9.91	2.87	.....	23.37
	<b>Wills Point Cotton Oil Co., Wills Point, Texas—</b>				
26776	Fertilizer Cotton Seed Meal—Guarantee.....	1.00	7.00	1.00	30.40
	Analysis.....	2.35	7.28	1.38	33.60
26768	Semper-Fidelis Cotton Grower—Guarantee.....	10.00	1.80	2.00	21.60
	Analysis.....	9.81	1.64	1.51	20.14
26774	Semper-Fidelis Phospho Meal—Guarantee.....	8.50	3.50	1.00	25.40
	Analysis.....	9.14	3.19	0.65	24.51
26769	Semper-Fidelis Special Fertilizer—Guarantee.....	11.00	1.65	1.00	21.00
26775	Analysis.....	12.73	1.05	.43	20.00
	Analysis.....	11.89	1.38	0.46	20.34
26777	Semper-Fidelis Standard Acid Phosphate—Guarantee.....	14.00	.....	.....	16.80
	Analysis.....	14.00	.....	.....	16.80

Table II.—Registration of Commercial Fertilizers, Season of 1916-1917.

Manufacturer, Place of Business and Brand.	Phosphoric Acid Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Arkansas Fertilizer Co., Little Rock, Ark.—</b>				
White Diamond Ammoniated Bone Super-Phosphate.....	9.00	1.65	2.00	\$19.80
White Diamond Ammoniated Bone Super-Phosphate Without Potash.....	11.00	1.65	.....	19.80
White Diamond Acid Phosphate.....	14.00	.....	.....	16.80
White Diamond Blood, Bone and Potash.....	12.00	2.00	1.50	24.20
White Diamond Corn and Wheat Fertilizer.....	10.00	1.70	4.00	23.60
White Diamond Corn Fertilizer.....	9.50	2.00	3.50	23.60
White Diamond Corn Grower.....	8.00	1.65	3.00	19.80
White Diamond Cotton Fertilizer.....	10.00	2.00	3.00	23.60
White Diamond Cotton Fertilizer Without Potash.....	13.00	2.00	.....	23.60
White Diamond Early Boll Fertilizer Without Potash.....	11.00	1.65	.....	19.80
White Diamond Early Potato and Truck.....	8.00	2.50	4.00	24.40
White Diamond Early Potato and Truck Fertilizer Without Potash.....	12.00	2.50	.....	24.40
White Diamond East Texas Truck Fertilizer.....	10.00	2.47	1.00	23.08
White Diamond Farmers' Choice.....	10.00	2.00	3.00	23.60
White Diamond "Gro-Fast" Fertilizer.....	8.00	1.65	2.00	18.60
White Diamond "Gro-Fast" Fertilizer Without Potash.....	10.00	1.65	.....	18.60
White Diamond Kali-Superphosphate.....	11.00	.....	3.00	16.80
White Diamond Meal Base Fertilizer.....	9.00	1.65	2.00	19.80
White Diamond Meal Base Fertilizer Without Potash.....	11.00	1.65	.....	19.80
White Diamond New South.....	10.00	1.65	.....	18.60
White Diamond Nitrated Super-Phosphate.....	8.00	2.50	4.00	24.40
White Diamond Nitrate of Soda.....	.....	15.60	.....	62.40
White Diamond Orchard Fertilizer.....	8.00	1.65	7.00	24.60
White Diamond Parlier's Special Fertilizer.....	10.00	3.30	4.00	30.00
White Diamond Peanut Fertilizer.....	9.10	1.00	4.00	19.70
White Diamond Phospho-Kainit Mixture.....	11.50	.....	4.00	18.60
White Diamond Potash Special.....	9.00	2.00	5.00	24.80
White Diamond Prize Winner.....	8.50	1.65	2.50	19.80
White Diamond Queen of the South.....	12.00	1.65	.....	21.00
White Diamond Soluble Bone and Blood Fertilizer Without Potash.....	10.00	1.65	.....	18.60
White Diamond Southern Queen Fertilizer.....	10.00	1.65	2.00	21.00
White Diamond Southern Queen Fertilizer Without Potash.....	12.00	1.65	.....	21.00
White Diamond Southern Standard Fertilizer.....	10.00	1.65	1.50	20.40
White Diamond Southern Standard Fertilizer Without Potash.....	11.50	1.65	.....	20.40
White Diamond Special Acid Phosphate.....	16.00	.....	.....	19.80
White Diamond Texas Special.....	10.00	1.65	1.00	19.80
White Diamond Texas Special Fertilizer Without Potash.....	11.00	1.65	.....	19.80
White Diamond 20th Century Fertilizer.....	9.00	1.65	2.00	19.80
White Diamond 20th Century Fertilizer Without Potash.....	11.00	1.65	.....	19.80
White Diamond Vegetable Fertilizer.....	7.50	2.00	3.00	20.60
White Diamond Vegetable Fertilizer Without Potash.....	10.50	2.00	.....	20.60
White Diamond Young's High Grade Special.....	7.00	2.50	5.00	24.40
<b>Armour Fertilizer Works, Houston, Fort Worth, Texas; New Orleans, La.</b>				
African Cotton Grower.....	9.00	2.47	3.00	24.28
Armour's Ground Bone Meal.....	*22.00	1.65	.....	23.87
Armour's Onion Fertilizer No. 1.....	8.00	3.29	8.00	32.36
Armour's Onion Fertilizer No. 2.....	8.00	2.47	4.00	24.28
Armour's Onion Fertilizer No. 3.....	8.00	3.29	6.00	29.96
Armour's Onion Fertilizer No. 4.....	3.00	4.11	5.00	26.04
Armour's Onion Fertilizer No. 5.....	5.00	4.94	3.00	26.96
Armour's Onion Fertilizer No. 6.....	4.00	4.94	7.00	32.96
Armour's Onion Fertilizer No. 7.....	6.00	3.29	3.00	23.96
Armour's Onion Fertilizer No. 8.....	6.00	3.29	6.00	27.56
Armour's Onion Fertilizer No. 9.....	10.00	2.47	6.00	29.08
Armour's Onion Fertilizer No. 10.....	3.00	4.94	5.00	29.36
Armour's Onion Fertilizer No. 11.....	5.00	4.11	3.00	26.04
Armour's Onion Fertilizer No. 12.....	6.00	3.29	4.00	25.16
Armour's Onion Fertilizer No. 13.....	1.00	4.94	1.00	22.16
Armour's Onion Fertilizer No. 14.....	7.00	4.94	.....	28.16
Armour's Onion Fertilizer No. 15.....	10.00	2.47	1.00	23.08
Armour's Onion Fertilizer No. 18.....	4.00	4.94	.....	24.56
Armour's Raw Bone Meal.....	*22.00	3.70	.....	31.06
Armour's Texas Trucker.....	10.00	2.47	.....	21.88
Armour's Tomato Grower.....	10.00	2.47	.....	21.88
Armour's Vegetable Grower.....	9.00	2.05	3.00	22.60
Blood and Bone Special Without Potash.....	10.00	1.65	.....	18.60
Champion Meal Mixture.....	10.00	1.65	2.00	21.00

\*Total Phosphoric Acid.

Table II.—Registration of Commercial Fertilizers, Season of 1916-1917.

Manufacturer, Place of Business and Brand.

	Phosphoric Acid— Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Armour Fertilizer Works, Houston, Fort Worth, Texas— New Orleans, La.—Continued.</b>				
Champion Meal Mixture Without Potash.....	12.00	1.65		\$21.00
Corn King.....	8.00	2.47	2.00	21.88
Cotton Seed Meal Special.....	10.00	1.65	1.50	20.40
Delta Special.....	6.00	4.11	2.00	26.04
Dried Blood.....		13.16		52.64
Farmers' Choice With Potash.....	10.00	1.65	1.00	19.80
Farmers' Choice Without Potash.....	10.00	1.95		19.80
Farmers' Favorite.....	10.00	1.65	2.00	21.00
Farmers' Favorite Without Potash.....	12.00	1.65		21.00
Gold Medal.....	9.50	1.65	1.50	19.80
Gold Medal Without Potash.....	11.00	1.65		19.80
Helmet Phosphate 12 Per Cent.....	12.00			14.40
King Cotton.....	8.00	1.65	2.00	18.60
King Cotton Without Potash.....	10.00	1.65		18.60
Nitrate of Soda.....		14.81		59.24
Rice King.....	8.00	1.65	2.00	18.60
Rice King Without Potash.....	10.00	1.65		18.60
Royal Mixture With Potash.....	10.00	1.65	1.00	19.80
Royal Mixture Without Potash.....	10.00	1.95		19.80
Sandy-Highland Special.....	10.00	1.65	1.50	20.40
Shield Phosphate 14 Per Cent.....	14.00			16.80
Special Blood and Bone Mixture.....	9.50	1.65	1.50	19.80
Special Blood Mixture Without Potash.....	11.00	1.65		19.80
Special Farm Mixture.....	8.00	1.65	2.00	18.60
Special Farm Mixture Without Potash.....	10.00	1.65		18.60
Star Phosphate 16 Per Cent.....	16.00			19.20
Strawberry Grower.....	8.00	1.65	3.00	19.80
Strawberry King.....	10.00	2.47	4.00	26.68
Sulphate of Ammonia.....		20.58		82.32
Texas Berry King.....	8.00	2.47	4.00	24.28
Truck and Berry Special.....	10.00	1.65	3.00	22.20
Truck Special No. 1.....	7.00	4.11	6.00	32.04
Truck Special No. 2.....	8.00	1.65	3.00	19.80
<b>The Barrett Company, New York, N. Y.—</b>				
Acadian Sulphate of Ammonia.....		20.75		83.00
<b>Bowie Cotton Oil Company, New Boston, Texas.—</b>				
Bowie Acid Phosphate.....	16.00			19.20
Bowie Cotton Seed Fertilizer.....	2.25	6.50	1.50	30.50
<b>Bryan Cotton Oil and Fertilizer Company, Bryan, Texas.—</b>				
Star Brand Cotton and Corn Fertilizer.....	11.50	1.80		21.00
Star Brand Phospho Special.....	11.00	2.00		21.20
Star Brand Potato Fertilizer.....	8.00	3.50		23.60
Star Brand 16 Per Cent Phosphate.....	16.00			19.20
<b>Chas. A. R. Campbell, San Antonio, Texas.—</b>				
Bat-Roost Guano.....	3.00	10.00		43.60
<b>Dallas Fertilizer and Reduction Company, Dallas, Texas.—</b>				
Beaver Brand Acid Phosphate.....	16.00			19.20
Beaver Brand Cotton and Corn Grower Non-Potassic.....	10.00	2.47		21.88
Beaver Brand Lawn Grower.....	*15.00	3.00		23.40
Beaver Brand Plant Food.....	*15.00	3.00		23.40
Beaver Brand Steam Bone Meal.....	*22.00	2.00		30.90
Beaver Brand Special.....	12.00	1.65		21.00
Beaver Brand Tomato Grower.....	10.00	2.47		21.88
Beaver Brand Vegetable Grower.....	9.00	2.47	3.00	24.28
<b>Earp Thomas Farmogerm Company, Bloomfield, N. J.—</b>				
Allcrop Farmogerm—Nitrogen-Gathering Bacteria.....				
Farmogerm—High Bred Nitrogen-Gathering Bacteria.....				
<b>East Texas Fertilizer Company, Tyler, Texas.—</b>				
Bull Cotton and Corn.....	10.00	2.00	1.00	21.20
Cotton Seed Fertilizer.....	1.00	5.00	1.00	22.40
Kainit.....			12.00	14.40
Muriate of Potash.....			48.00	57.60
16 Per Cent Acid Phosphate.....	16.00			19.20
Tomato Grower.....	10.00	2.47		21.88

\*Total Phosphoric Acid.

Table II.—Registration of Commercial Fertilizers, Season of 1916-1917.

Manufacturer, Place of Business and Brand.	Phosphoric Acid Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>East Texas Fertilizer Company, Tyler, Texas—Continued.</b>				
Wiley's 11-1.65 Farm Mixture.....	11.00	1.65	.....	\$19.80
Wiley's Farm Mixture.....	10.00	1.65	.....	18.60
Wiley's High Mixture Half and Half.....	8.00	4.00	.....	25.60
Wiley's Premium Cotton and Corn.....	10.00	2.00	.....	20.00
Wiley's 10-1.65-1 Farm Mixture.....	10.00	1.65	1.00	19.80
Wiley's Tomato Special.....	9.00	2.80	.....	22.00
Wiley's 12-1.65 Farm Mixture.....	12.00	1.65	.....	21.00
<b>Federal Chemical Company, Columbia, Tenn.—</b>				
Daybreak Tennessee Brown Phosphate Rock.....	*29.75	.....	.....	23.80
<b>Fidelity Chemical Corporation, Houston, Texas—</b>				
Fidelity Ammoniated Rice Fertilizer.....	12.00	1.65	2.00	23.40
Fidelity Ammoniated Superphosphate With Potash.....	10.00	1.65	1.00	19.80
Fidelity Bone Meal Fertilizer.....	*27.00	1.00	.....	25.40
Fidelity Cereal Cultivator Fertilizer.....	6.50	2.47	1.00	18.88
Fidelity Citrus Grower Fertilizer.....	7.00	2.88	8.00	29.52
Fidelity Cotton Grower Non-Potassic Fertilizer.....	10.00	2.00	.....	20.00
Fidelity Cotton Non-Potassic Fertilizer.....	8.00	2.63	.....	20.12
Fidelity Cotton Special Fertilizer.....	10.00	1.65	2.00	21.00
Fidelity Cotton Special No. 2 Fertilizer.....	10.00	1.65	1.50	20.40
Fidelity Cotton Standard Fertilizer.....	8.00	2.06	1.50	19.60
Fidelity 14 Per Cent Acid Phosphate.....	14.00	.....	.....	16.80
Fidelity Kainit.....	.....	.....	12.00	14.40
Fidelity Laredo Special Fertilizer.....	5.00	3.87	8.00	31.08
Fidelity Laredo Trucker Non-Potassic Fertilizer.....	5.00	3.87	.....	21.48
Fidelity Lone Star Special Fertilizer.....	10.00	1.65	6.00	25.80
Fidelity Muriate of Potash.....	.....	15.00	50.00	60.00
Fidelity Nitrate of Soda.....	7.00	2.88	.....	60.00
Fidelity Orange Special Fertilizer.....	8.00	2.47	5.00	25.92
Fidelity Peerless Trucker Fertilizer.....	7.00	2.06	5.00	25.48
Fidelity Potato Special Fertilizer.....	10.00	.....	3.00	20.24
Fidelity Regal Compound Fertilizer.....	12.00	.....	4.00	16.80
Fidelity Rice Planter Fertilizer.....	16.00	.....	2.00	16.80
Fidelity 16 Per Cent Acid Phosphate.....	6.00	2.47	5.00	19.20
Fidelity Strawberry Special Fertilizer.....	.....	20.50	.....	23.08
Fidelity Sulphate of Ammonia.....	.....	.....	48.00	82.00
Fidelity Sulphate of Potash.....	8.00	2.47	8.00	57.60
Fidelity Truck Grower Fertilizer.....	.....	.....	.....	29.08
<b>Gate City Fertilizer Company, Texarkana, Ark.-Texas—</b>				
Red Ball Acid Phosphate.....	14.00	.....	.....	16.80
Red Ball Complete Fertilizer.....	10.00	1.65	1.00	19.80
Red Ball Cotton and Corn Fertilizer.....	10.00	2.00	3.00	23.60
Red Ball Cotton and Corn Fertilizer Without Potash.....	13.00	2.00	.....	23.60
Red Ball Cotton Grower.....	9.00	1.65	2.00	19.80
Red Ball Cotton Grower Without Potash.....	11.00	1.65	.....	19.80
Red Ball Diversified Croppers.....	10.00	1.65	2.00	21.00
Red Ball Diversified Croppers Without Potash.....	12.00	1.65	.....	21.00
Red Ball Early Trucker.....	8.00	2.50	4.00	24.40
Red Ball Early Trucker Without Potash.....	12.00	2.50	.....	24.40
Red Ball Extra Acid Phosphate.....	16.00	.....	.....	19.20
Red Ball Four States' Standard.....	8.50	1.65	2.50	19.80
Red Ball Four States' Standard Without Potash.....	11.00	1.65	.....	19.80
Red Ball Four States' Standard Without Potash.....	10.00	1.03	3.00	19.72
Red Ball Garrison's Special.....	8.00	1.65	2.00	18.60
Red Ball Old Reliable Fertilizer.....	10.00	1.65	.....	18.60
Red Ball Old Reliable Fertilizer Without Potash.....	7.50	2.00	3.00	20.60
Red Ball Old Time Vegetable Grower.....	10.50	2.00	.....	20.60
Red Ball Old Time Vegetable Grower Without Potash.....	11.00	.....	3.00	16.80
Red Ball Phosphate and Potash.....	11.50	.....	4.00	18.60
Red Ball Potash-Acid.....	8.00	1.65	2.00	18.60
Red Ball Soluble Bone Fertilizer.....	10.00	1.65	.....	18.60
Red Ball Soluble Bone Fertilizer Without Potash.....	8.00	1.65	3.00	19.80
Red Ball Southern Corn Grower.....	11.00	1.65	.....	19.80
Red Ball Southern Corn Grower Without Potash.....	9.10	1.00	4.00	19.72
Red Ball Spanish Peanut Fertilizer.....	.....	.....	.....	.....
<b>Henderson Cotton Oil and Gin Company, Henderson, Texas—</b>				
Henderson Acid Phosphate.....	16.00	.....	.....	19.20
Henderson Half and Half.....	8.70	3.50	.....	24.64
Henderson Staple.....	10.00	2.00	.....	20.00

\*Total Phosphoric Acid.



Table II.—Registration of Commercial Fertilizers, Season of 1916-1917.

Manufacturer, Place of Business and Brand.	Phosphoric Acid— Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Hope Fertilizer Company, Hope, Arkansas—</b>				
Cotto Phos. ....	8.50	3.30	1.00	\$24.60
Hope Crop Product. ....	8.00	1.65	2.00	18.60
Hope Hustler Without Potash. ....	10.00	1.65	.....	18.60
Hope Standard Without Potash. ....	11.00	1.65	.....	19.80
Our Corn Grower Without Potash. ....	12.00	1.70	.....	21.20
Our Cotton Grower. ....	10.00	1.65	1.00	19.80
Our Early Fruiter. ....	10.00	.90	1.00	16.80
Our Extra Cotton Grower. ....	10.00	1.65	2.00	21.00
Stork Brand Nitrate of Soda. ....	.....	15.00	.....	60.00
Stork Brand 16 Per Cent Acid Phosphate. ....	16.00	.....	.....	19.20
Westbrook's Trucker. ....	8.00	3.00	1.00	22.80
<b>Houston County Oil Mill and Manufacturing Company, Crockett, Texas—</b>				
Crockett Compound—High Grade. ....	9.00	3.50	1.00	26.05
Crockett 14 Per Cent Acid Phosphate. ....	14.00	.....	.....	16.80
Crockett Grower High Grade. ....	6.50	4.56	1.00	27.50
Crockett Phosphate Meal Mixture. ....	11.00	1.65	.....	19.80
Crockett 16 Per Cent Acid Phosphate. ....	16.00	.....	.....	19.20
Crockett Special Mixture High Grade. ....	10.90	1.70	1.00	21.15
Crockett Vegetable Special High Grade. ....	9.00	2.80	1.00	23.20
<b>Houston Packing Company, Houston, Texas—</b>				
Acid Phosphate. ....	14.00	.....	.....	16.80
Blood and Bone. ....	*14.50	5.60	.....	32.88
Ground Raw Bone. ....	*23.00	3.70	.....	32.46
Kainit. ....	.....	.....	12.00	14.40
Muriate of Potash. ....	.....	.....	48.00	57.60
Nitrate of Soda. ....	.....	15.00	.....	60.00
Steam Bone Meal. ....	*27.00	2.00	.....	29.20
Sulphate of Potash. ....	.....	.....	48.00	57.60
<b>Industrial Cotton Oil Properties, Houston, Texas—</b>				
Industrial Cotton Fertilizer—Long Horn Brand. ....	10.00	1.65	.....	18.60
Industrial 18 Per Cent Phosphate—Long Horn Brand. ....	18.00	.....	.....	21.60
Industrial 14 Per Cent Phosphate—Long Horn Brand. ....	14.00	.....	.....	16.80
Industrial 16 Per Cent Acid Phosphate—Long Horn Brand. ....	16.00	.....	.....	19.20
Industrial Special Corn and Cotton Grower. ....	10.00	2.00	.....	20.00
<b>Longview Cotton Oil Company, Longview, Texas—</b>				
Acid Phosphate. ....	14.00	.....	.....	16.80
Longview Corn Hustler Without Potash. ....	8.00	3.00	.....	21.60
Longview Cotton Grower Without Potash. ....	10.00	2.00	.....	20.00
Longview Peanut Special. ....	10.50	1.65	.....	19.20
<b>McElroy-Shepherd Company, University, Va.—</b>				
Allcrop Farmogerm—Fertilizing Bacteria. ....	.....	.....	.....	.....
Farmogerm—High Bred Nitrogen-Gathering Bacteria. ....	.....	.....	.....	.....
<b>John Marbach, New Braunfels, Texas—</b>				
Bat Guano. ....	3.50	8.40	.....	37.80
<b>Marshall Fertilizer Factory, Marshall, Texas—</b>				
Cotton Special. ....	10.00	1.65	.....	18.60
High Grade Acid Phosphate. ....	16.00	.....	.....	19.20
Truck Special. ....	7.00	2.47	2.00	20.68
<b>Meridian Fertilizer Factory, Shreveport, La.—</b>				
Caddo Cotton. ....	9.35	1.90	1.00	20.02
Caddo Cotton—Non-Potassic. ....	10.35	1.90	.....	20.02
Caddo Queen—Non-Potassic. ....	12.00	1.65	.....	21.00
Caddo Special. ....	6.00	2.47	7.00	25.48
Caddo Vegetable. ....	8.00	3.30	4.00	27.60
Meridian Blood and Bone. ....	10.00	1.65	1.00	19.80
Meridian Blood and Bone Non-Potassic. ....	11.00	1.65	.....	19.80
Meridian Bone and Potash. ....	12.00	.....	2.00	16.80
Meridian Cane Special No. 1. ....	4.00	5.35	.....	26.20
Meridian Corn Club Special. ....	7.50	2.47	1.00	20.08
Meridian Corn Club Special—Non-Potassic. ....	8.50	2.47	.....	20.08
Meridian Corn Grower. ....	7.50	2.88	1.00	21.72
Meridian Corn Grower—Non-Potassic. ....	8.50	2.88	.....	21.72
Meridian Cotton and Corn Special. ....	9.00	2.47	3.00	24.28
Meridian Easy Driller Phosphate. ....	16.00	.....	.....	19.20

\*Total Phosphoric Acid.

Table II.—Registration of Commercial Fertilizers, Season of 1916-1917.

Manufacturer, Place of Business and Brand.	Phosphoric Acid— Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Meridian Fertilizer Factory, Shreveport—Continued.</b>				
Meridian English Acid Phosphate.....	12.00			\$14.40
Meridian Farm Special.....	10.00	1.65		18.60
Meridian Golden Harvester.....	10.00	3.30	4.00	30.00
Meridian Ham Bone Guano.....	10.00	1.65	1.50	20.40
Meridian Home Mixture.....	10.00	1.65	1.00	19.80
Meridian Home Mixture—Non-Potassic.....	11.00	1.65		19.80
Meridian Melon Grower.....	8.50	2.47		20.08
Meridian Meal Mixture.....	10.00	1.65	1.00	19.80
Meridian Meal Mixture—Non-Potassic.....	11.00	1.65		19.80
Meridian Nitrated Bone and Potash.....	10.00	1.65	2.00	21.00
Meridian Perfection Acid Phosphate.....	18.00			21.60
Meridian Perfection Blood Compound.....	10.00	2.47	3.00	25.48
Meridian Perfection Cotton and Corn.....	12.00	2.47		24.28
Meridian Perfection Cotton Formula.....	11.00	2.47		23.08
Meridian Perfection Meal Compound.....	10.00	2.47	3.00	25.48
Meridian Perfection Potash Formula.....	12.00		4.00	19.20
Meridian Potash Compound.....	10.00		4.00	16.80
Meridian Potato Special.....	8.00	3.30	2.00	25.20
Meridian Potato Grower—Non-Potassic.....	8.00	3.30		22.80
Meridian Prolific Wonder.....	9.25	2.63	1.00	22.82
Meridian Raw Bone Mixture.....	10.00	1.65	1.00	19.80
Meridian Raw Bone Mixture—Non-Potassic.....	11.00	1.65		19.80
Meridian Rice Grower.....	10.00		2.00	14.40
Meridian Special Cotton Formula.....	10.00	1.65		18.60
Meridian Special Meal Compound.....	12.00	2.00		22.40
Meridian Standard Cotton and Corn.....	9.35	1.90	1.00	20.02
Meridian Standard Cotton and Corn—Non-Potassic.....	10.35	1.90		20.02
Meridian Soluble Guano.....	10.00	1.65	1.50	20.40
Meridian Southern Acid Phosphate.....	14.00			16.80
Meridian Tankage Compound.....	8.50	2.47		20.08
Meridian Truckers Special.....	9.00	1.65	2.00	19.80
Meridian Truckers' Special—Non-Potassic.....	11.00	1.65		19.80
Meridian Tomato Special.....	10.00	2.47	1.00	23.08
Meridian Tomato Special—Non-Potassic.....	11.00	2.47		23.08
Meridian Vegetable Grower.....	8.00	2.47	5.00	25.48
Nitrate of Soda.....		15.00		60.00
Star.....	10.00	1.65	1.00	19.80
Star Non-Potassic.....	11.00	1.65		19.80
Texas Special.....	10.00	2.72		22.88
Union Special Acid Phosphate.....	16.00			19.20
Weevil Beater Guano.....	10.00	1.65	1.00	19.80
Weevil Beater Guano—Non-Potassic.....	11.00	1.65		19.80
<b>H. K. Mulford Company, Philadelphia, Pa.—</b>				
Mulford Cultures for Legumes.....				
<b>Palestine Oil and Manufacturing Company, Palestine, Texas—</b>				
Acid Phosphate.....	14.00			16.80
<b>Nitrate Agencies Company of Texas, Houston, Texas—</b>				
Acid Phosphate.....	16.00			19.20
Genuine Peruvian Guano.....	10.00	10.69	2.00	57.16
High Grade Basic Slag.....	*17.00			
High Grade Raw Bone.....	*23.00	3.7		32.46
High Grade Steamed Bone.....	*23.00	3.7		32.46
Nitrate of Soda.....		15.00		60.00
Peruvian Guano.....	10.00	10.69	2.00	57.16
<b>Pelican Fertilizer Works, Shreveport, La.—</b>				
Nitrate of Soda.....		15.00		60.00
Pelican Cotton and Corn.....	8.00	2.00	2.00	20.00
Pelican Cotton Grower.....	10.00	1.65		18.60
Pelican Corn Grower.....	8.00	2.47	1.00	20.68
Pelican Corn Grower—Non-Potassic.....	9.00	2.47		20.68
Pelican Cotton Producer.....	11.50	1.65		20.40
Pelican Cotton Special.....	10.00	1.65	2.00	21.00
Pelican Favorite Cotton Grower.....	9.00	1.90	1.00	19.60
Pelican Favorite Cotton Grower—Non-Potassic.....	10.25	1.90		19.90
Pelican Fish Bone Fertilizer.....	10.00	1.65	2.00	21.00
Pelican Fish Formula.....	10.00	1.65	1.00	19.80
Pelican Fish Formula—Non-Potassic.....	11.00	1.65		19.80
Pelican Golden West.....	10.00	1.65	1.00	19.80
Pelican Golden West—Non-Potassic.....	11.00	1.65		19.80

\*Total Phosphoric Acid.

Table II.—Registration of Commercial Fertilizers, Season of 1916-1917.

Manufacturer, Place of Business and Brand.	Phosphoric Acid— Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Pelican Fertilizer Works, Shreveport, La.—Continued.</b>				
Pelican High Grade.....	9.00	2.47	3.00	\$24.28
Pelican High Grade Acid Phosphate.....	14.00	.....	.....	16.80
Pelican Meal Compound.....	10.00	1.65	1.00	19.80
Pelican Meal Compound—Non-Potassic.....	11.00	1.65	.....	19.80
Pelican Potash and Bone.....	12.00	.....	2.00	16.80
Pelican Potash and Superphosphate.....	10.00	.....	4.00	16.80
Pelican Potato Special.....	8.00	3.30	.....	25.20
Pelican Rice Formula.....	10.00	.....	2.00	14.40
Pelican Rice Phosphate.....	16.00	.....	.....	19.20
Pelican Special Formula.....	10.00	1.65	.....	18.60
Pelican Special Phosphate.....	16.00	.....	.....	19.20
Pelican Truck Grower.....	10.00	2.47	.....	21.88
Pelican Tomato Special.....	10.00	2.47	1.00	23.08
Pelican Tomato Special—Non-Potassic.....	11.00	2.47	.....	23.08
Pelican Vegetable Grower.....	8.00	2.47	4.00	24.28
<b>Planters' Fertilizer and Chemical Company, Houston, Fort Worth, Texas; New Orleans, La.—</b>				
Farm Special.....	8.00	1.65	2.00	18.60
Imperial Cotton Mixture.....	8.00	1.65	2.00	18.60
Imperial Rice Mixture.....	8.00	1.65	2.00	18.60
Planters' Ammoniated Superphosphate With Potash.....	10.00	1.65	2.00	21.00
Planters' Ammoniated Superphosphate Without Potash.....	12.00	1.65	.....	21.00
Planters' Blood and Bone With Potash.....	10.00	1.65	1.00	19.80
Planters' Blood and Bone Without Potash.....	10.00	1.95	.....	19.80
Planters' Corn Fertilizer.....	8.00	2.47	2.00	21.88
Planters' Crescent Acid Phosphate.....	12.00	.....	.....	14.40
Planters' Dried Blood.....	.....	13.16	.....	52.64
Planters' Farm Special Without Potash.....	10.00	1.65	.....	18.60
Planters' Farmers' Champion With Potash.....	10.00	1.65	1.00	19.80
Planters' Farmers' Champion Without Potash.....	10.00	1.95	.....	19.80
Planters' 14 Per Cent Acid Phosphate.....	14.00	.....	.....	16.80
Planters' Fruit and Vegetable Formula.....	8.00	1.65	3.00	19.80
Planters' Fruit and Truck Special.....	8.00	2.47	4.00	24.28
Planters' Golden Mixture With Potash.....	9.50	1.65	1.50	19.80
Planters' Golden Mixture Without Potash.....	11.00	1.65	.....	19.80
Planters' Ground Bone Meal.....	*22.00	1.65	.....	23.87
Planters' Imperial Cotton Mixture Without Potash.....	10.00	1.65	.....	18.60
Planters' Magic Strawberry Producer.....	10.00	2.47	4.00	26.68
Planters' Meal Mixture Without Potash.....	12.00	1.65	.....	21.00
Planters' Nitrate of Soda.....	.....	14.81	.....	59.24
Planters' Raw Bone Meal.....	*22.00	3.70	.....	31.06
Planters' Raw Bone Superphosphate With Potash.....	9.50	1.65	1.50	19.80
Planters' Raw Bone Superphosphate Without Potash.....	11.00	1.65	.....	19.80
Planters' 16 Per Cent Acid Phosphate.....	16.00	.....	.....	19.20
Planters' Strawberry Special With Potash.....	10.00	1.65	2.00	21.00
Planters' Sulphate of Ammonia.....	.....	20.58	.....	82.32
Planters' Texas Trucker.....	10.00	2.47	.....	21.88
Planters' Tomato Grower.....	10.00	2.47	.....	21.88
Planters' Vegetable Grower.....	7.00	2.47	3.50	22.48
<b>Pittsburg Cotton Oil Company, Pittsburg, Texas—</b>				
Acid Phosphate.....	16.00	.....	.....	19.20
<b>Reichardt and Schulte, Houston, Texas.—</b>				
Dried Sheep Manure.....	.....	1.8	.....	6.84
<b>Shreveport Fertilizer Works, Shreveport, La.—</b>				
Lion Acid Phosphate and Limestone.....	16.00	.....	.....	19.20
Lion Ammoniated Rice Grower.....	14.00	2.47	.....	26.88
Lion Cotton Elevator.....	9.50	1.88	.....	18.92
Lion Double B.....	10.00	1.65	.....	18.60
Lion Double C.....	10.00	1.65	.....	18.60
Lion Double S.....	9.00	2.00	.....	18.80
Lion Fruiter.....	10.00	2.00	.....	20.00
Lion Meal Formula.....	10.00	1.65	.....	18.60
Lion Potash Mixture.....	10.00	1.65	1.00	19.80
Lion Red Land Cotton Grower.....	12.00	1.65	.....	21.00
Lion Special.....	8.50	2.50	.....	19.60
Lion Special Formula.....	14.00	1.65	.....	23.40
Lion Success Mixture.....	11.00	1.65	.....	19.80
Lion Superior Meal Formula.....	10.00	2.50	.....	22.00

\*Total Phosphoric Acid.

Table II.—Registration of Commercial Fertilizers, Season of 1916-1917.

Manufacturer, Place of Business and Brand.	Phosphoric Acid Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Shreveport Fertilizer Works, Shreveport, La.—Continued.</b>				
Lion Tomato Special.....	10.00	2.50		\$22.00
Lion Xtragood Acid Phosphate.....	16.00			19.20
Nitrate of Soda.....		15.00		60.00
<b>Sulphur Springs Acid and Fertilizer Company, Sulphur Springs, Texas—</b>				
Acid Phosphate.....	16.00			19.20
Cotton Fertilizer.....	10.00	1.65		18.60
Planters' Special Fertilizer.....	8.00	3.00		21.60
Standard Cotton Fertilizer.....	10.00	2.00		20.00
<b>Swift and Company, Harve y, La., Fort Worth, Texas—</b>				
Swift's Acid Phosphate 12 Per Cent.....	12.00			14.40
Swift's Ammoniated Phosphate.....	12.00	1.65		21.00
Swift's Ammoniated Raw Bone Superphosphate.....	9.50	1.65	1.50	19.80
Swift's Blood and Bone Special.....	10.00	2.47		21.88
Swift's Blood and Bone Trucker.....	8.00	2.47		19.48
Swift's Bone Meal Fertilizer.....	*24.00	2.47		28.59
Swift's Champion Vegetable Grower.....	8.00	3.29	3.00	26.36
Swift's Diamond "A" Fertilizer.....	8.00	1.65	3.00	19.80
Swift's Diamond "C" Fertilizer.....	8.00	2.47	2.00	21.88
Swift's Diamond "G" Onion Grower.....	6.00	2.47	2.00	19.48
Swift's Diamond "H" Fertilizer.....	6.00	3.29	3.00	23.96
Swift's Diamond "S" Compound.....	10.00	2.47		21.88
Swift's Excelsior Crop Producer.....	10.00	1.65		18.60
Swift's Eagle Guano.....	10.00	1.65	2.00	21.00
Swift's Early Vegetable and Fruit Fertilizer.....	10.00	3.29		25.16
Swift's East Texas Trucker.....	8.00	2.47	3.00	23.04
Swift's Excelsior Rice Grower.....	12.00		1.00	15.60
Swift's Favorite Crop Producer.....	12.00	1.65		21.00
Swift's Fruit and Vegetable Grower.....	10.00	2.47	5.00	27.88
Swift's Garden City Phosphate 14 Per Cent.....	14.00			16.80
Swift's General Crop Producer.....	11.00	1.65		19.80
Swift's Golden Harvest Compound.....	8.00	1.65	2.00	18.60
Swift's Good Luck Compound.....	10.00	1.65	2.00	21.00
Swift's Ground Beef Bone.....	*27.00	2.00		29.43
Swift's Ground Dried Blood.....		13.17		52.68
Swift's High Grade Acid Phosphate 16 Per Cent.....	16.00			19.20
Swift's High Grade Onion Fertilizer.....	7.00	4.94	2.00	30.56
Swift's Laredo Mixture.....	8.00	3.29		22.76
Swift's Laredo Special.....	3.00	4.94	3.00	26.96
Swift's Nitrate of Soda.....		14.81		59.24
Swift's Non-Potassic Cotton and Corn Grower.....	11.00	1.65		19.80
Swift's Onion Grower.....	7.00	3.70	3.00	26.80
Swift's Onion Growers' Special.....	7.00	4.94		28.16
Swift's Palm etto Guano.....	8.00	2.47	3.00	19.48
Swift's Plow Boy Compound.....	8.00	2.47	3.00	23.08
Swift's Pulverized Sheep Manure.....	1.50	2.06	1.50	11.84
Swift's Pure Bone Meal.....	*24.00	2.47		28.58
Swift's Pure Raw Bone Meal.....	*22.00	3.70		31.66
Swift's Pioneer Rice Grower.....	10.00		1.00	13.20
Swift's Planters' Special.....	10.00	1.65	1.00	19.80
Swift's Red Steer Guano.....	9.00	1.65	2.00	19.80
Swift's Special Acid Phosphate 18 Per Cent.....	18.00			21.60
Swift's Special Cotton and Corn Grower.....	10.00	1.65	1.00	19.80
Swift's Special Mixture.....	10.00	1.65		18.60
Swift's Special Phosphate and Potash.....	10.00		2.00	14.40
Swift's Special Tankage Fertilizer.....	4.80	5.27		25.79
Swift's Superphosphate Compound.....	9.50	1.65	1.50	19.80
Swift's Superphosphate Potash Ammoniated.....	8.00	1.65	2.00	18.60
Swift's Tankage.....	* 3.00	6.58		27.40
Swift's Tankage Compound.....	* 3.25	7.40		30.72
Swift's Tankage Formula.....	* 6.87	7.40		33.65
Swift's Tankage Mixture.....	9.00	3.29		23.96
Swift's Truckers' Favorite.....	8.00	2.47	1.00	20.68
Swift's Truckers' Favorite Compound.....	8.00	2.47	1.00	20.68
Swift's Tomato Special.....	10.00	2.47	1.00	23.08
<b>Tennessee Coal, Iron and Railroad Company, Birmingham, Alabama—</b>				
Duplex Basic Phosphate A. A.....	*18.00			

\*Total Phosphoric Acid.



Table II.—Registration of Commercial Fertilizers, Season of 1916-1917.

Manufacturer, Place of Business and Brand.	Phosphoric Acid Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Union Seed and Fertilizer Company, New Orleans, La.—</b>				
Ammoniated Raw Bone Superphosphate.....	11.00	1.65		\$19.80
Ammoniated Raw Bone Superphosphate and Potash.....	10.00	1.65	1.00	19.80
American Truckers' Special.....	10.00	1.65	5.00	24.60
Black Diamond Acid Phosphate.....	12.00			14.40
Blood and Bone.....	11.00	1.65		19.80
Blood, Bone and Beef.....	10.00	1.65	1.00	19.80
Blood, Bone and Beef Without Potash.....	11.00	1.65		19.80
Blood, Bone and Potash.....	10.00	1.65	1.00	19.80
Blue Rose Rice Grower.....	12.00		2.00	16.80
Brown's Special.....	14.00	1.65	1.00	24.60
Bull Dog Acid Phosphate.....	16.00			19.20
Corn Grower.....	8.00	2.47	1.50	21.28
Crescent City Acid Phosphate.....	12.00			14.40
Dissolved Bone and Potash 10-4.....	10.00		4.00	16.80
Economizer.....	10.00	1.65	2.00	21.00
Economizer Without Potash.....	12.00	1.65		21.00
Excelsior.....	10.00	1.65	2.00	21.00
Excelsior Without Potash.....	12.00	1.65		21.00
Farmers' Cornucopia.....	12.00	2.47	2.00	26.68
Golden Guano.....	10.00	1.65	1.00	19.80
Golden Guano Without Potash.....	11.00	1.65		19.80
Goldsmith's Improved Mixture.....	10.00	1.65	1.00	19.80
Goldsmith's Improved Mixture Without Potash.....	11.00	1.65		19.80
Honduras Rice Grower.....	12.00		4.00	19.20
Lone Star Blood Mixture.....	10.00	0.82	1.00	16.48
Lone Star Meal Mixture.....	10.00	0.82	1.00	16.48
Louisiana Plant Cane Grower.....	6.00	3.30		20.40
Louisiana Rice Grower.....	10.00		2.00	14.40
Louisiana Stubble Cane Grower.....	4.00	4.94		24.56
Meal Ammoniated Superphosphate.....	11.00	1.65		19.80
Meal Ammoniated Superphosphate and Potash.....	10.00	1.65	1.00	19.80
New Orleans Acid Phosphate.....	14.00			16.80
Nitrate of Soda.....		15.00		60.00
Supreme Acid Phosphate.....	18.00			21.60
Sulphate of Ammonia.....		20.00		80.00
Special Sugar Cane Grower No. 67.....	7.00	5.00		28.40
Texas Guano.....	10.00	1.65		18.60
Texas Onion Grower.....	6.00	3.30	6.00	27.60
Usafco Cotton and Corn Grower.....	10.00	1.65	2.00	21.00
Vegetable Grower.....	6.00	2.47	4.00	21.88
<b>Virginia-Carolina Chemical Company of Delaware, Shreveport, La.—</b>				
BBB Beef, Blood and Bone.....	10.00	1.65	1.00	19.80
BBB Beef, Blood and Bone Non-Potassic.....	11.00	1.65		19.80
Eureka Complete Fertilizer.....	10.00	1.65	4.00	23.40
German Kainit.....			12.00	14.40
Georgia State Grange.....	10.00	1.65	1.00	19.80
Georgia State Grange Non-Potassic.....	11.00	1.65		19.80
Mobile Double Eagle Guano.....	10.00	1.65	1.50	20.40
Mobile Double Eagle Guano Non-Potassic.....	11.50	1.65		20.40
Mobile Raw Bone Ammoniated Superphosphate.....	10.00	1.65	1.50	20.40
Mobile Raw Bone Ammoniated Superphosphate Non-Potassic.....	11.50	1.65		20.40
Muriate of Potash.....			48.00	57.60
Nitrate of Soda.....		14.80		59.20
Royal Blood and Bone Non-Potassic.....	11.50	1.65		20.40
Royal Blood, Bone and Potash.....	10.00	1.65	1.50	20.40
Royal Compound.....	10.00		2.00	14.40
Royal Cotton Boll Guano.....	8.00	1.65	2.00	18.60
Royal Cotton Boll Guano Non-Potassic.....	10.00	1.65		18.60
Royal Fruit Grower.....	8.00	2.47	5.00	25.48
Royal High Grade Guano.....	10.00	1.65	2.00	21.00
Royal High Grade Guano Non-Potassic.....	12.00	1.65		21.00
Royal Potash Compound.....	10.00		4.00	16.80
Royal Tomato Formula.....	10.00	2.47	1.00	23.08
Royal Tomato Formula Non-Potassic.....	11.00	2.47		23.08
Royal Vegetable Fertilizer.....	8.00	2.47	4.00	24.28
Royal Vegetable Fertilizer Non-Potassic.....	12.00	2.47		24.28
Scott's Gossypium Phospho.....	10.00	1.65	1.50	20.40
Scott's Gossypium Phospho Non-Potassic.....	11.50	1.65		20.40
Scott's Gossypium Phospho Special.....	10.00	1.65	2.00	21.00
Scott's Gossypium Phospho Special Non-Potassic.....	12.00	1.65		21.00

Table II.—Registration of Commercial Fertilizers, Season of 1916-1917.

Manufacturer, Place of Business and Brand.	Phosphoric Acid. Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Virginia-Carolina Chemical Company of Delaware, Shreveport, La.—Continued—</b>				
Scott's High Grade Acid Phosphate.....	14.00	.....	.....	\$16.80
Scott's Potasso Phospho.....	12.00	.....	2.00	16.80
Scott's State Standard Guano.....	8.00	1.65	2.00	18.60
Scott's State Standard Guano Non-Potassic.....	10.00	1.65	.....	18.60
Sulphate of Potash.....	.....	.....	48.00	57.00
Tip Top Nitrogen Compound.....	2.00	13.15	.....	55.00
V. C. Ammoniated Bone Non-Potassic.....	10.00	1.65	.....	18.60
V. C. C. Co.'s 16 Per Cent Acid Phosphate.....	16.00	.....	.....	19.20
V. C. C. Co.'s Truck Grower.....	8.00	2.06	6.00	25.04
V. 3 C. Fruit and Truck Special.....	6.00	3.30	8.00	30.00
V. C. High Grade Champion Compound.....	9.00	3.00	3.00	26.40
V. C. High Grade Champion Compound Non-Potassic.....	12.00	3.00	.....	26.40
V. C. High Grade Dixie Special.....	7.00	3.00	1.00	21.60
V. C. High Grade Dixie Special Non-Potassic.....	8.00	3.00	.....	21.60
V. C. High Grade Guano.....	10.00	1.65	2.00	21.00
V. C. High Grade Guano Non-Potassic.....	12.00	1.65	.....	21.00
V. C. High Grade Potash Compound.....	12.00	.....	4.00	19.20
V. C. High Grade Top Dresser.....	4.00	6.18	2.50	32.52
V. C. High Grade Top Dresser Non-Potassic.....	6.50	6.18	.....	32.52
V. C. Meal Formula Non Potassic.....	10.00	1.65	.....	18.60
V. C. Rice Special.....	10.00	1.65	2.00	21.00
V. C. Rice Special Non-Potassic.....	12.00	1.65	.....	21.00
V. C. Special Potash Compound.....	12.00	.....	8.00	24.00
V. C. Tomato Special.....	10.00	2.47	1.50	23.68
V. C. XXX Special.....	8.00	2.47	1.00	20.68
V. C. XXX Special Non-Potassic.....	9.00	2.47	.....	20.68
<b>Wills Point Cotton Oil Company, Wills Point, Texas—</b>				
Fertilizer Cotton Seed Meal.....	1.00	7.00	1.00	30.40
Semper-Fidelis Cotton Grower.....	10.00	1.80	2.00	21.60
Semper-Fidelis Phospho Meal.....	8.50	3.50	1.00	25.40
Semper-Fidelis Special Fertilizer.....	11.00	1.65	1.00	21.00
Semper-Fidelis Standard Acid Phosphate.....	14.00	.....	.....	16.80